

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	RESUBMISSION
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>RESUBMIT DOCUMENT ID:</b>	503955597
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SHAUN D. MILANO	07/26/2016
PETER CISAR	08/01/2016
STEFAN KRANZ	08/02/2016
STEPHAN SCHURT	08/02/2016
ALLEGRO MICROSYSTEMS GERMANY GMBH	06/20/2016
ALLEGRO MICROSYSTEMS EUROPE LIMITED	06/20/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ALLEGRO MICROSYSTEMS, LLC
<b>Street Address:</b>	115 NORTHEAST CUTOFF
<b>City:</b>	WORCESTER
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	01606
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15231133
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	781-4019966
<b>Email:</b>	mlf@dc-m.com
<b>Correspondent Name:</b>	DALY, CROWLEY, MOFFORD & DURKEE, LLC
<b>Address Line 1:</b>	354A TURNPIKE STREET
<b>Address Line 2:</b>	SUITE 301A
<b>Address Line 4:</b>	CANTON, MASSACHUSETTS 02021
<b>ATTORNEY DOCKET NUMBER:</b>	ALLEG-585PUS
<b>NAME OF SUBMITTER:</b>	ALBERT C. CROOKER
<b>SIGNATURE:</b>	/Albert C. Crooker/
<b>DATE SIGNED:</b>	09/15/2016

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**Total Attachments: 8**

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## ASSIGNMENT

Whereas we, Shaun D. Milano, Peter Cisar, Stefan Kranz and Stephan Schurt, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled: CURRENT SENSOR, identified as Attorney Docket No. ALLEG-585PUS, and Client Case No. A-2471, which application was executed on 7/26/2016 8/1/2016, 8/2/2016, 8/2/2016, and filed on 8/8/2016, and assigned Application No. 15/231,133. In the event that the execution date, filing date, and/or Application No. are not entered above at the time this document is executed, and if such information is deemed necessary, we hereby authorize and request our attorneys at DALY, CROWLEY, MOFFORD & DURKEE, LLP, 354A Turnpike Street, Suite 301A, Canton, MA 02021-2714, to insert above the execution date, filing date, and/or Application No. of said application.

Whereas, Allegro MicroSystems Germany GmbH, a company registered in Germany and having a place of business at Adlerweg 1, D-79856 Hinterzarten, Germany may have certain rights in the above identified inventions or discoveries;

Whereas, Allegro MicroSystems Europe Limited, a company registered in England and having a place of business at Melita House, 124 Bridge Road, Chertsey Surrey KT16 8LH United Kingdom may have certain rights in the above identified inventions or discoveries;

Whereas, Allegro MicroSystems, LLC, a Delaware limited liability company having a place of business at 115 Northeast Cutoff, Worcester, Massachusetts 01606, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we, Shaun D. Milano, Peter Cisar, Stefan Kranz and Stephan Schurt, and Allegro MicroSystems Germany GmbH by signature of Robert C. Hunt, and Allegro MicroSystems Europe Limited by signature of Stephenie Adams, hereby acknowledge, we each hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, PCT, re-examination and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent and any provisional applications from which priority is claimed in said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

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4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

5. Bind my heirs, legal representatives, assigns, and successors, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives, assigns, and successors if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives, assigns, or successors which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries;

6. Warrant that Stephenie Adams, Commercial Director of Allegro MicroSystems Europe Limited, is authorized to act on behalf of, and to bind Allegro MicroSystems Europe Limited.

7. Warrant that Robert C. Hunt, Managing Director of Allegro MicroSystems Germany GmbH, is authorized to act on behalf of, and to bind Allegro MicroSystems Germany GmbH.

In testimony of which we have each executed this Assignment on the date indicated next to our name(s).

PATENT

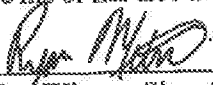
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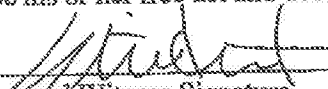
Dated: 7/26/16

  
Shaun D. Milano

On this 26 day of July, 2016, before me appeared Shaun D. Milano,  
to me known and known to me to be the person described in and who executed the foregoing  
instrument, and he or she acknowledged the same to be his or her free act and deed.

  
First Witness Signature  
Ran Metivier  
First Witness Printed Name

On this 26 day of July, 2016, before me appeared Shaun D. Milano,  
to me known and known to me to be the person described in and who executed the foregoing  
instrument, and he or she acknowledged the same to be his or her free act and deed.

  
Second Witness Signature  
Stelios Kalaboukas  
Second Witness Printed Name

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Atty. Dckt. No.: ALLEG-585PUS  
Client Case No.: A-2471

Dated: 08-01-2016

TEC  
Peter Cisar

On this 01 day of 08, 2016, before me appeared Peter Cisar,  
to me known and known to me to be the person described in and who executed the foregoing  
instrument, and he or she acknowledged the same to be his or her free act and deed.

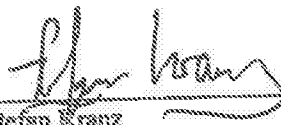
STEINHAUSER, UDIKE  
First Witness Signature  
First Witness Printed Name

On this 01 day of 08, 2016, before me appeared Peter Cisar,  
to me known and known to me to be the person described in and who executed the foregoing  
instrument, and he or she acknowledged the same to be his or her free act and deed.

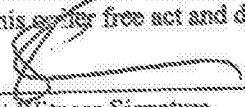
Christina Wieser  
Second Witness Signature  
WIESER, CHRISTINE  
Second Witness Printed Name

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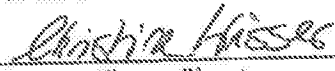
Dated: 08-02-2016

  
Stefan Kranz

On this 02 day of 08, 2016, before me appeared Stefan Kranz,  
to me known and known to me to be the person described in and who executed the foregoing  
instrument, and he or she acknowledged the same to be his or her free act and deed.


  
First Witness Signature  
STEINHILBER, ULRIKE  
First Witness Printed Name

On this 02 day of 08, 2016, before me appeared Stefan Kranz,  
to me known and known to me to be the person described in and who executed the foregoing  
instrument, and he or she acknowledged the same to be his or her free act and deed.

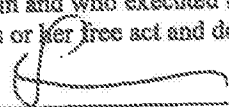
  
Second Witness Signature  
HIESER, CHRISTINE  
Second Witness Printed Name

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Atty. Dekt. No.: ALLEG-585PUS  
Client Case No.: A-2471

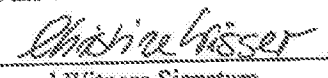
Dated: 08-02-2016

  
Stephan Schurt

On this 02 day of 08, 2016, before me appeared Stephan Schurt,  
to me known and known to me to be the person described in and who executed the foregoing  
instrument, and he or she acknowledged the same to be his or her free act and deed.

  
First Witness Signature  
STEINHAUER, ULRICH  
First Witness Printed Name

On this 02 day of 08, 2016, before me appeared Stephan Schurt,  
to me known and known to me to be the person described in and who executed the foregoing  
instrument, and he or she acknowledged the same to be his or her free act and deed.

  
Second Witness Signature  
WISSER, CHRISTINE  
Second Witness Printed Name



PATENT  
Atty. Dckt. No.: ALLEG-585PUS  
Client Case No.: A-2471

Dated: 20/6/16

Robert C. Hunt  
Allegro MicroSystems Germany GmbH  
By: Robert C. Hunt  
In his capacity as Managing Director of  
Allegro MicroSystems Germany GmbH

On this 20<sup>th</sup> day of June, 2016, before me appeared Robert C. Hunt,  
to me known and known to me to be the person described in and who executed the foregoing  
instrument, and he acknowledged the same to be his free act and deed.

[Signature]  
First Witness Signature  
W. O. ALLEGRO  
First Witness Printed Name

On this 20<sup>th</sup> day of June, 2016, before me appeared Robert C. Hunt,  
to me known and known to me to be the person described in and who executed the foregoing  
instrument, and he acknowledged the same to be his free act and deed.

[Signature]  
Second Witness Signature  
S. FRANKLIN  
Second Witness Printed Name

PATENT  
Atty. Dckt. No.: ALLEG-585PUS  
Client Case No.: A-2471

Dated: 20 June 2016

S. Adams  
Allegro MicroSystems Europe Limited  
By: Stephenie Adams  
In her capacity as Commercial Director of  
Allegro MicroSystems Europe Limited

On this 20<sup>th</sup> day of June, 2016 before me appeared Stephenie Adams,  
to me known and known to me to be the person described in and who executed the foregoing  
instrument, and she acknowledged the same to be her free act and deed.

[Signature]  
First Witness Signature  
W. A. [Signature]  
First Witness Printed Name

On this 20<sup>th</sup> day of JUNE, 2016 before me appeared Stephenie Adams,  
to me known and known to me to be the person described in and who executed the foregoing  
instrument, and she acknowledged the same to be her free act and deed.

[Signature]  
Second Witness Signature  
S. [Signature]  
Second Witness Printed Name

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